

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Inventor(s): Gangadharan et al.	
App. No.: 10/663,472	Con. No.: 3749
Filed: September 15, 2003	Art Unit: 2455
Title: FRAMEWORKS FOR INTEGRATING INFORMATION SYSTEMS	Examiner: Mariegeores, Henry

APPEAL BRIEF

MAIL STOP APPEAL BRIEF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Assignee (hereafter "Appellant") hereby submits this Appeal Brief in response to the final Office action mailed September 28, 2010 and to the Notice of Appeal filed December 21, 2010, in the above-referenced case.

Appellant respectfully requests consideration of this appeal by the Board of Patent Appeals and Interferences (hereafter the "Board").

An oral hearing is not requested at this time.

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I. REAL PARTY IN INTEREST

The invention is assigned to Oracle America, Inc. of Santa Clara, California.

II. RELATED APPEALS AND INTERFERENCES

To the best of Appellant's knowledge, there are no appeals or interferences that are related to, will directly affect, will be directly affected by, or have a bearing on the Board's decision in the present appeal.

III. STATUS OF THE CLAIMS

Claims 1-3, 5-7, 9-10, and 29-31 are pending. Claims 1-3, 5-7, and 29-31 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Starkovich et al US 6,993,585 ("Starkovich") in view of DeLuca et al US 7,545,124 ("DeLuca").

The rejection of claims 1-3, 5-7, and 29-31 is appealed herein. A clean copy of all claims on appeal is attached hereto as the Appendix of Claims.

IV. STATUS OF AMENDMENTS

The last Amendment submitted by Appellant and entered by the Examiner was dated June 30, 2010, and was in response to the Office action dated April 1, 2010. A final Office action was entered September 28, 2010. A Notice of Appeal was timely filed December 21, 2010.

V. SUMMARY OF THE CLAIMED SUBJECT MATTER

Independent claims 1 and 29 describe techniques for connecting an application server to an existing information system.¹ For example, one aspect of the invention described in the present application and defined in the claims includes generating a customized connector interface that can encapsulate existing interfaces of various information systems.² In particular, the customized connector interface is created by modifying a set of properties of a generic interface comprising a Generic Resource Adapter Archive (GRAR) file.³ The modifications of the properties associated with the generic interface fit the requirements necessary to access and communicate with the existing interface of a particular information system. Hence, the newly created customized connector interface is customized based on the properties of the particular information system interface.⁴

Claim 1

In particular, independent claim 1 recites a method for connecting an application server to an information system. The method comprises an operation of providing, utilizing a hardware application server, a generic connector interface on said hardware application server, the generic connector interface comprising a Generic Resource Adaptor Archive (GRAR) file. A GRAR file is a file that is compliant with a Java Database Connection architecture and may be adapted to various interfaces used to access various information systems.⁵ For example, in FIG. 5, a GRAR file is provided at 502.⁶

Claim 1 further includes receiving information related to an information system at said hardware application server, said information system having a first interface, said information system accessible utilizing said first interface. For example, in FIG. 2, information related to the information system and/or the existing interface used to access the interface is received at 204.⁷

Claim 1 also includes the step of generating, utilizing said hardware application server, a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor

¹ See Specification, page 7, paragraph [0018]

² See Specification, page 7, paragraph [0018]

³ See Specification, page 8, paragraph [0019]

⁴ See Specification, page 7, paragraph [0018]

⁵ See Specification, page 8, paragraph [0019]

⁶ See FIG. 5, step 502.

⁷ See FIG. 2, step 204.

Archive (CRAR) file by: modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file. In FIG. 2 at 206, the connector is configured, using information received relating to an information system, to generate a customized connector. For example, the customized connector allows the application server to access the information system through the existing interface, providing a connection between the application server and the information system.⁸ FIG. 5 illustrates a method for modifying a generic connector interface comprising a GRAR file. At operation 504, the GRAR file is opened using a graphical user interface provided by a deployment tool. At 506, an existing interface of the information system is selected and added to the GRAR file. A graphical user interface may be used to edit the properties for a deployment descriptor of the GRAR file at 508. At 510, a Customized Resource Adapter Archive (CRAR) file is created using a deployment tool. At 512, the CRAR is deployed.⁹

Claim 1 also includes the operation of connecting, utilizing said hardware application server, said information system to said hardware application server via said customized connector interface utilizing the Customized Resource Adaptor Archive (CRAR) file, wherein said customized connector interface provides access to said information system through said first interface of said information system. As noted above, in FIG. 2, a connection may be provided between the application server and the information system via the configured connector at 208.¹⁰

Claim 29

Independent claim 29 recites a computer readable medium for connecting an application server to an information system. FIG. 1 depicts a computing environment 100 capable of connecting an application server to an information system. FIG. 1 includes an application sever 102, an information system 104 and an application component 106. The application server 102 may provide the application component 106 with access to the information system 104.¹¹

Claim 29 comprises computer program code, stored in at least one computer readable medium and executable by at least one processing unit, for providing a generic connector interface, the generic connector interface comprising a Generic Resource Adapter Archive (GRAR) file. A GRAR file is a file that is compliant with a Java Database Connection architecture and may be adapted to various interfaces used to access various information

⁸ See FIG. 2, at step 206.

⁹ See FIG. 5, at steps 504-512.

¹⁰ See FIG. 2, at step 206.

¹¹ See FIG. 1 and Specification, page 8, paragraph [0021]

systems.¹² In FIG. 5, a GRAR file is provided at 502.¹³

The computer program code of claim 29 is also configured to receive information related to an information system, said information system having a first interface, said information system accessible utilizing said first interface. FIG. 2 illustrates information related to the information system and/or the existing interface used to access the interface being received at 204.¹⁴

Claim 29 also requires generating a customized connector interface by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file. In FIG. 2 at 206, the connector is configured, using information received relating to an information system to generate a customized connector. The customized connector allows the application server to access the information system through the existing interface, providing a connection between the application server and the information system.¹⁵ FIG. 5 illustrates a method for modifying a generic connector interface comprising a GRAR file. At operation 504, the GRAR file is opened using a graphical user interface provided by a deployment tool. At 506, an existing interface of the information system is selected and added to the GRAR file. A graphical user interface may be used to edit the properties for a deployment descriptor of the GRAR file at 508. At 510, a Customized Resource Adapter Archive (CRAR) file is created using a deployment tool. At 512, the CRAR is deployed.¹⁶

Finally, claim 29 comprises computer program code, stored in the at least one computer readable medium and executable by the at least one processing unit, for connecting said information system to said application server via said customized connector interface utilizing the Customized Resource Adaptor Archive (CRAR) file, wherein said customized connector interface provides access to said information system through said first interface of said information system. In FIG. 2, for example, a connection is provided between the application server and the information system via the configured connector at 208.¹⁷

¹² See Specification, page 8, paragraph [0019]

¹³ See FIG. 5, step 502.

¹⁴ See FIG. 2, step 204.

¹⁵ See FIG. 2, at step 206.

¹⁶ See FIG. 5, at steps 504-512.

¹⁷ See FIG. 2, at step 208.

VI. GROUND OF REJECTION PRESENTED FOR REVIEW

A. Whether U.S. Patent No. 6,993,585 ("Starkovich") in view of U.S. Patent No. 7,545,124 DeLuca et al ("DeLuca") discloses, teaches, or suggests every element that connects an application server to an information system as defined in independent claims 1 and 29 so as to render these claims obvious under 35 U.S.C. §103(a)

B. Whether dependent claims 2-3, 5-7, 9-10, and 30-31 are patentable in light of the patentability of independent claims 1 and 29.

VII. ARGUMENT

For claims to be patentable, the claims must not be obvious under 35 U.S.C. § 103(a). A patent claim is not obvious if the prior art does not disclose or suggest each and every element of the claim.¹⁸ Here, for claims 1-3, 5-7, 9-10, and 29-31 to be patentable: (A) the prior art must fail to disclose, teach, or suggest each and every element of independent claims 1 and 29; and (B) claims 2-3, 5-7, 9-10, and 30-31 must depend directly or indirectly on independent claims 1 and 29.

Appellant respectfully submits that claims 1-3, 5-7, 9-10, and 29-31 are patentable because: (A) independent claim 1 is not obvious as Starkovich and DeLuca fail to disclose, teach, or suggest each and every element of independent claim 1 and independent claim 29 and (B) claims 2-3, 5-7, 9-10, and 30-31 depend directly or indirectly on non-obvious independent claims 1 and 29.

A. THE PRIOR ART DOES NOT DISCLOSE, TEACH, OR SUGGEST EVERY ELEMENT FOR CONNECTING AN APPLICATION SERVER TO AN INFORMATION SYSTEM SO AS TO RENDER THE CLAIMS OBVIOUS UNDER 35 U.S.C. § 103(a).

Appellant respectfully submit that none of the cited art of record discloses, teaches, or suggests each and every element of independent claim 1 and independent claim 29. In particular, Appellant submit that no cited art of record discloses, teaches, or suggests "generating, utilizing said hardware application server, a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file," as recited in independent claim 1 (Emphasis added). Independent claim 29 recites similar limitations.

In the September 28, 2010 Office action ("Final Office Action"), the Examiner asserts that Starkovich discloses "modifying said generic connector interface based on said information received."¹⁹ The Examiner also states that DeLuca teaches a "connector interface comprising a Generic Resource Adapter Archive (GRAR) file ...a method adding said first interface to Generic Resource Adapter Archive (GRAR) file ...and

¹⁸ See MPEP § 2143(A)(1).

¹⁹ See Final Office Action, page 4

creating a Customized Resource Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adapter Archive (GRAR) file."²⁰ Appellant respectfully traverse the rejections.

Specifically, Appellant respectfully submits: 1) Starkovich does not disclose, teach, or suggest generating...a customized connector interface ...by modifying said generic connector interface, based on said received information, because Starkovich does not modify a generic connector interface; and 2) DeLuca does not disclose, teach, or suggest the sub operations of modifying the generic connector interface, including adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file. For a claim to be obvious, the prior art must include or suggest each of the aforementioned elements claimed.²¹

1. Starkovich Does Not Disclose, Teach, or Suggest Modifying a Generic Connector Interface, Based on Received Information.

Appellant respectfully submits that Starkovich does not disclose, teach, or suggest "generating...a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file," as recited in independent claim 1. Independent claim 29 recites similar limitations. For at least the following reasons Appellant submits that none of the cited references disclose such limitations.

The Examiner asserts that the Starkovich teaches the limitation of "modifying said generic connector interface based on said information received" since Starkovich discloses "that a generic gateway request is transformed into a format that is understandable by a processing system," citing Starkovich, column 7, lines 41-51.²² Appellant respectfully disagree with the Examiner's conclusion that Starkovich teaches "modifying said generic connector interface based on said information received," as recited in independent claim 1 and 29.

²⁰ See *Final Office Action*, page 4

²¹ See *MPEP* § 2143(A)(1).

²² See *Final Office Action*, 15

As presented in the Applicant/Remarks made in an Amendment dated June 30, 2010 ("Applicants Final Remarks"), Starkovich generally relates to a process for "facilitating on-line processing requests, and more specifically, to adapting client formats to the use of a single gateway in communicating with an On-Line Transaction Processing (OLTP) Enterprise Server from user work stations."²³ More specifically, Starkovich discloses WebTx, a *generic gateway* that permits a user of a work station to communicate with other internet applications.²⁴ A client sends a service request to an associated adapter.²⁵ The adapter subsequently converts the input from the client to a standardized format for input into the generic gateway.²⁶ The converted and processed service requests are transferred from the generic gateway to an appropriate connector of a plurality of connectors.²⁷ However, Starkovich does not disclose, teach, or suggest "generating...a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file," as recited in independent claim 1 (Emphasis added).²⁸ Rather, Starkovich merely translates input request information received from an adapter (i.e. information related to a given enterprise system) into a standardized format that is compatible with a Distributed Transaction Processing System such as a Unisys 2200 Enterprise System 200.

More specifically, Starkovich states, "[generic gateway] receives service requests from the adapters and takes whatever action is necessary to fulfill the request. This typically involves transforming a request into a format which is understandable by a Distributed Transaction Processing System."(Emphasis added). Such language clearly indicates that the generic gateway of Starkovich is transforming the format of the input request only. Nowhere does Starkovich disclose, teach, or suggest modifying the actual generic interface. Stated differently, simply transforming an input request received from an adapter into a different format, on a generic gateway, is not the same as generating, utilizing said hardware application server, a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information.

Further, since Starkovich does not disclose modifying the actual generic interface,

²³ See Starkovich, column 1, lines 33-38.

²⁴ See Starkovich, column 3, lines 43-52.

²⁵ See Starkovich, column 6 lines 63-67 and column 7 lines 10.

²⁶ See Starkovich, column 6 lines 63-67 and column 7 lines 10.

²⁷ See Starkovich, column 3, lines 43-52, column 6 lines 63-67 and column 7 lines 10

²⁸ See Independent claim 1

Starkovich cannot disclose "modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file," as recited in independent claim 1. Indeed, in the Final Office Action, the Examiner correctly recognizes that Starkovich does not disclose "[a] generic connector interface comprising a Generic Resource Adapter Archive (GRAR) file; adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adapter Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adapter Archive (GRAR) file."

2. DeLuca Does Not Disclose, Teach, or Suggest a Connector Interface Comprising a Generic Resource Adapter Archive (GRAR) File, Adding a First Interface to a Generic Resource Adapter Archive (GRAR) file, or Creating a Customized Resource Archive (CRAR) File By Modifying a Deployment Descriptor of the Generic Resource Adapter Archive (GRAR) File

Since the Examiner correctly recognized that Starkovich does not disclose, teach or suggest, a generic connector interface comprising a Generic Resource Adapter Archive (GRAR) file; adding said first interface to the Generic Resource Adaptor Archive (GRAR) file; and creating a Customized Resource Adapter Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adapter Archive (GRAR) file, the Examiner relied on DeLuca to teach such limitations. However, Appellant respectfully submits that DeLuca does not remedy the deficiencies of Starkovich.

As previously presented in Applicants Final Remarks, DeLuca relates to a method and system for implementing a user interface in a client management tool.²⁹ The user interface allows a user to select polling agents in the management tool. The polling agents collect data from computer networks and the networks components.³⁰ However, nowhere does De Luca disclose, teach, or suggest generating, utilizing said hardware application server, a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive

²⁹ See DeLuca, Abstract

³⁰ See DeLuca, column 1, lines 45-55

(GRAR) file. In the Final Office Action, the Examiner asserts that:

DeLuca discloses the generic connector interface comprising a Generic Resource Adapter Archive (GRAR) file (DeLuca, column 10, lines 30-32, a management interface has the ability to change configuration by polling selected one); DeLuca discloses a method adding said first interface to Generic Resource Adapter Archive (GRAR) file (DeLuca, column 10, lines 28-29, a interface is disclosed being polled and managed by a management interface), and creating a Customized Resource Adapter Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adapter Archive (GRAR) file (DeLuca, column 13, lines 53-57, a schema file is standardized by using a scriptable file language of a translation engine on a management tool).³¹

Appellant respectfully disagrees with the Examiner's assertions. Nowhere in the cited text does DeLuca disclose, teach, or suggest adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file, as claimed in independent claim 1.

Specifically, the Examiner asserts that De Luca discloses "[a] generic connector interface comprising a Generic Resource Adapter Archive (GRAR) file," asserting that de Luca discloses "a management interface has the ability to change configuration by polling selected one," citing DeLuca column 10, lines 30-32.³² The Examiner then asserts that De Luca discloses "a method adding said first interface to Generic Resource Adapter Archive (GRAR) file" because "a interface is disclosed being polled and managed by a management interface," citing column 10, lines 28-29.³³ Appellant respectfully submits that while DeLuca may disclose a management interface, nowhere does DeLuca disclose a management interface comprising a GRAR file. Rather, the management interface described in DeLuca communicates with a separate and distinct polling interface.³⁴ However, a polling interface is not a GRAR file. It is well known in the art that a Resource Adapter is an archive file format defined in the Java Database Connection Architecture (JDBC).³⁵ Further, it is also known in the art that a Resource Adapter archive (RAR) file is the valid format for deployment of resource adapters on application servers. DeLuca defines a polling interface as a functioning polling agent.³⁶ A polling agent is used to collect data from a computer network and its components.³⁷ Thus, a polling interface is

³¹ See *Final Office Action*, page 9

³² See *Final Office Action*, page 9

³³ See *Final Office Action*, page 9

³⁴ See FIG. 6.

³⁵ See *Specification*, page 8

³⁶ See DeLuca, column 10, lines 26-35.

³⁷ See DeLuca, column 1, lines 45-50.

not a GRAR file. Since DeLuca does not disclose a generic interface comprising a GRAR file, DeLuca does not disclose adding a first interface to the GRAR file.

Additionally, the Examiner asserts that and De Luca teaches "creating a Customized Resource Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adapter Archive (GRAR) file because De Luca teaches "a schema file is standardized by using a scriptable file language of a translation engine on a management tool," citing De Luca column 13, lines 53-57.³⁸ A schema file is not the same as a Customized Resource Archive file. De Luca teaches that a schema file is a standardized file used for storing and accessing management data that is readable by a variety of management tools. Subsequently, the standardized schema may be used to create a correlation of a schema utilized by the pre-existing database file to the standardized schema.³⁹ Importantly, a database file is not converted; rather, the invention of claims 1 and 29 uses the scripted correlation to locate data on the pre-existing database file. Thus, DeLuca does not create a CRAR file by modifying a deployment descriptor of the GRAR file. Instead De Luca teaches creating a correlation based on a standard schema. Creating a correlation is not the same as starting with a GRAR file and creating a CRAR file by modifying a deployment descriptor of the GRAR file.

3. Conclusion

In conclusion, Appellant respectfully submits that Starkovich and DeLuca, either alone or in combination, do not disclose, teach, or suggest all of the elements for the method of connecting an application server to an information system of independent claim 1. Specifically, Starkovich nor DeLuca disclose, teach or suggest generating a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by: adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file. Accordingly, for at least the reasons set forth above, it is respectfully submitted that Starkovich in view of DeLuca does not render all of the subject matter recited in claim 1 and claim 29 obvious. Thus, claims 1 and 29 are patentable over Starkovich and DeLuca.

³⁸ See *Final Office Action*, page 9

³⁹ See *DeLuca*, column 13, lines 53-61.

B. CLAIMS 2-3, 5-7, 9-10, AND 30-31 DEPEND DIRECTLY OR INDIRECTLY ON NONOBVIOUS INDEPENDENT CLAIMS 1 AND 29 AND ARE THEREFORE PATENTABLE

Appellant respectfully submits that because independent claims 1 and 29 are not obvious, dependent claims 2-3, 5-7, 9-10, and 30-31 are not obvious. For a claim to be obvious, the prior art must include *each* element claimed⁴⁰. Here, claims 2-3, 5-7, 9-10, and 30-31 depend, either directly or indirectly, on claims 1 and 29. Furthermore, claims 1 and 29 are not obvious because each element is not included in the prior art as set forth in the reasons above. Accordingly, it is respectfully submitted that the subject matter recited in claims 2-3, 5-7, 9-10, and 30-31 are not obvious. Thus, claims 2-3, 5-7, 9-10, and 30-31 are also patentable.

⁴⁰ See MPEP § 2143(A)(1)

VIII. CONCLUSION

For a claim to be obvious, the prior art must disclose or suggest each element claimed. Here, the prior art does not disclose or suggest several necessary elements of the independent claims 1 and 29. Furthermore all other claims 2-3, 5-7, 9-10, and 30-31, depend either directly or indirectly on independent claims 1 and 29. Because the subject matter claimed is not rendered obvious by the prior art, Appellant respectfully submits all the appealed claims in this application are patentable and requests that the Board of Patent Appeals and Interferences direct allowance of the rejected claims.

The Assignee believes no additional fees or petitions are due with this filing. However, should any such fees or petitions be required, please consider this a request therefor and authorization to charge Deposit Account No. 501662 as necessary.

Dated: February 22, 2011

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Gregory P. Dublin', is written over a horizontal line.

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IX. APPENDIX OF CLAIMS

1. (Previously Presented) A method of connecting an application server to an information system, said method comprising:

providing, utilizing a hardware application server, a generic connector interface on said hardware application server, the generic connector interface comprising a Generic Resource Adaptor Archive (GRAR) file;

receiving information related to an information system at said hardware application server, said information system having a first interface, said information system accessible utilizing said first interface;

generating, utilizing said hardware application server, a customized connector interface on said hardware application server, by modifying said generic connector interface, based on said received information by:

adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and

creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file; and

connecting, utilizing said hardware application server, said information system to said hardware application server via said customized connector interface utilizing the Customized Resource Adaptor Archive (CRAR) file, wherein said customized connector interface provides access to said information system through said first interface of said information system.

2. (Previously Presented) The method as recited in claim 1, wherein said providing of a generic connector interface comprises providing a software package.

3. (Previously Presented) The method as recited in claim 2, wherein said information system is a relational database that is compliant with a Java DataBase Connection (JDBC) architecture.

4. (Cancelled)

5. (Previously Presented) The method as recited in claim 1, wherein modifying the deployment descriptor comprises editing at least one of a server Name, a port number, a user

name, a password, a database name, a data source name, a description, a network protocol, a role name, a login timeout, driver properties, a delimiter, or a class name.

6. (Previously Presented) The method as recited in claim 1, wherein said receiving of information related to said information system comprises:
receiving one or more parameters.

7. (Previously Presented) The method as recited in claim 6, wherein said receiving of information related to said information system further comprises receiving said one or more parameters as input through a Graphical User Interface (GUI).

8. (Cancelled)

9. (Previously Presented) The method as recited in claim 1, wherein said connecting of said information system to said hardware application server comprises:
encapsulating said first interface by a second interface that is implemented after said generic connector interface is customized.

10. (Previously Presented) The method as recited in claim 1, wherein generating a customized connector interface comprises:
generating a second interface that can encapsulate the first interface.

11-28. (Cancelled)

29. (Previously Presented) A computer readable medium including computer program code for connecting an application server to an information system, said computer readable medium comprising:

computer program code, stored in at least one computer readable medium and executable by at least one processing unit, for providing a generic connector interface, the generic connector interface comprising a Generic Resource Adaptor Archive (GRAR) file;

computer program code, stored in the at least one computer readable medium and executable by the at least one processing unit, for receiving information related to an information system, said information system having a first interface, said information system accessible utilizing said first interface;

computer program code, stored in the at least one computer readable medium and executable by the at least one processing unit, for generating a customized connector interface, by modifying said generic connector interface, based on said received information by:

adding said first interface to the Generic Resource Adaptor Archive (GRAR) file, and

creating a Customized Resource Adaptor Archive (CRAR) file by modifying a deployment descriptor of the Generic Resource Adaptor Archive (GRAR) file; and

computer program code, stored in the at least one computer readable medium and executable by the at least one processing unit, for connecting said information system to said application server via said customized connector interface utilizing the Customized Resource Adaptor Archive (CRAR) file, wherein said customized connector interface provides access to said information system through said first interface of said information system.

30. (Previously Presented) The computer readable medium as recited in claim 29, wherein said computer programming code, stored in at least one computer readable medium and executable by at least one processing unit, for providing a generic connector interface comprises:

providing a software package.

31. (Previously Presented) The computer readable medium as recited in claim 30, wherein said information system is a relational database is compliant with a Java DataBase Connection (JDBC) architecture.

X. EVIDENCE APPENDIX

None.

XI. **RELATED PROCEEDINGS APPENDIX**

None.